

Amendments to the Claims:

This listing of claims below will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. - 57. (Canceled).

58. (Previously Presented) A valve actuator including: at least one piston contained within an actuator housing; and an adjustable mechanism that selectively engages at least a portion of said at least one piston to selectively adjust axial movement of said at least one piston, wherein the adjustable mechanism defines at least a portion of an actuator inlet port.

59. (Currently Amended) The valve actuator of claim 58, wherein said adjustable mechanism is defines a one-piece actuator inlet port.

60. (Previously Presented) The valve actuator of claim 58, wherein said adjustable mechanism is defines one piece of a two-piece actuator inlet port.

61. - 67. (Canceled).

68. (New) The valve actuator of claim 58, wherein said adjustable mechanism comprises a first set screw that is threadably engaged with said actuator housing.

69. (New) The valve actuator of claim 68, further comprising a securing mechanism for preventing rotation of said first set screw.

70. (New) The valve actuator of claim 69, wherein said securing mechanism comprises a second set screw, assembled to the actuator housing to engage said first set screw.

71. (New) The valve actuator of claim 59, wherein said adjustable mechanism comprises a shaft that engages said at least one piston to limit axial movement of said at least one piston.

72. (New) The valve actuator of claim 60, wherein said adjustable mechanism comprises a shaft that engages said at least one piston to limit axial movement of said at least one piston.

73. (New) The valve actuator of claim 58, further comprising a spring that biases said at least one piston away from said adjustable mechanism.

74. (New) The valve actuator of claim 58, wherein said valve actuator is assembled to a valve comprising a valve member and a valve seat, such that said piston is coupled to the valve member to control movement of the valve member with respect to the valve seat.

75. (New) The valve actuator of claim 74, wherein said adjustable mechanism is adapted to limit movement of the valve member in an opening direction.

76. (New) The valve actuator of claim 74, further comprising a spring adapted to bias the valve member in a closing direction.

77. (New) The valve actuator of claim 58, wherein said adjustable mechanism engages a stem portion of the piston.

78. (New) The valve actuator of claim 58, wherein said at least one piston comprises a flow channel for passage of fluid applied to the actuator inlet port.

79. (New) The valve actuator of claim 58, wherein the actuator housing comprises an end cap adapted to receive said adjustable mechanism.

80. (New) The valve actuator of claim 79, wherein the end cap is assembled to a base portion of said actuator housing.

81. (New) A valve actuator including: at least one piston contained within an actuator housing; and an adjustable mechanism that selectively engages at least a portion of said at least one piston to selectively adjust axial movement of said at least one piston, wherein the adjustable mechanism comprises a first set screw assembled to an actuator inlet port.

82. (New) The valve actuator of claim 81, further comprising a securing mechanism for preventing rotation of said first set screw.

83. (New) The valve actuator of claim 81, wherein said securing mechanism comprises a second set screw, assembled to the actuator inlet port to engage said first set screw.

84. (New) The valve actuator of claim 81, further comprising a spring that biases said at least one piston away from said adjustable mechanism.

85. (New) The valve actuator of claim 81, wherein said valve actuator is assembled to a valve comprising a valve member and a valve seat, such that said piston is coupled to the valve member to control movement of the valve member with respect to the valve seat.

86. (New) The valve actuator of claim 85, wherein said adjustable mechanism is adapted to limit movement of the valve member in an opening direction.

87. (New) The valve actuator of claim 85, further comprising a spring adapted to bias the valve member in a closing direction.

88. (New) The valve actuator of claim 81, wherein said adjustable mechanism engages a stem portion of the piston.

89. (New) The valve actuator of claim 81, wherein said at least one piston comprises a flow channel for passage of fluid applied to the actuator inlet port.

90. (New) The valve actuator of claim 81, wherein the actuator housing comprises an end cap adapted to receive said adjustable mechanism.

91. (New) The valve actuator of claim 90, wherein the end cap is assembled to a base portion of said actuator housing.